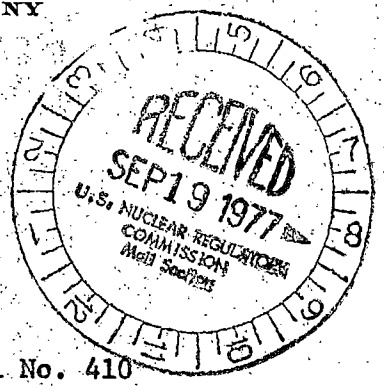
VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

September 15, 1977



Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Region II - Suite 818
230 Peachtree Street, Northwest
Atlanta, Georgia 30303

Serial No. 410
PO&M/TAP:dgt
Docket No. 50-280

License No. DPR-32

Dear Mr. O'Reilly:

Pursuant to Surry Power Station Technical Specification 6.6.2, the Virginia Electric and Power Company hereby submits a copy of Reportable Occurrence No. RO-S1-77-15.

The substance of this report has been reviewed by the Station Nuclear Safety and Operating Committee and will be placed on the agenda for the next meeting of the System Nuclear Safety and Operating Committee.

Very truly yours,

C. M. Stallings

C. M. Stallings
Vice President-Power Supply
and Production Operations

Enclosures
40 copies RO-S1-77-15

cc: Mr. Robert W. Reid, Chief
Operating Reactors Branch 4

7726020115

LICENSEE EVENT REPORT

CONTROL BLOCK: [1 6] (PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
01 VASPS1 [7 8 9 14]	00-00000-00 [15 25]	41110 [26 30]	01 [31 32]

CONT	CATEGORY	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
01 [7 8]	PQ [57 58]	L [59]	L [60]	050-0280 [61 68]	081877 [69 74]	091477 [75 80]

EVENT DESCRIPTION

During normal operation, while exercising control rods, a flux tilt in excess of 2% occurred when control rod J-13 shutdown Bank A was dropped. Unit power was reduced to a level required by Technical Specification 3.12.B.6 for operation with excessive tilt. Neutron flux setpoints were correspondingly reduced. This condition is reportable per Technical Specification 6.6.2.b.(2). (RO-S1-77-15)

SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
ZZ [9 10]	E [11]	CONROD [12 17]	N [43]	C720 [44 47]	N [48]

CAUSE DESCRIPTION

The rod dropped due to loss of power to the stationary grip coil of the CRDM. The power loss was traced to a loose pin in the cable-to-CRDM electrical connector. With the unit shutdown, the pin was tightened and normal operation of (Continued)

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
E [9]	100 [10 12]	N/A [13 44]	A [45]	Observation of Instruments Movement [46 80]

FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
Z [9]	Z [10]	N/A [11 44]	N/A [45 80]

PERSONNEL EXPOSURES

NUMBER	TYPE	DESCRIPTION
000 [9 11]	Z [12]	N/A [13 80]

PERSONNEL INJURIES

NUMBER	DESCRIPTION
000 [9 11]	N/A [12 80]

OFFSITE CONSEQUENCES

N/A

LOSS OR DAMAGE TO FACILITY

TYPE	DESCRIPTION
Z [9]	N/A [10 80]

PUBLICITY

N/A

ADDITIONAL FACTORS

The health and safety of the public were not affected because the unit was at all times operated in a conservative condition with respect to the flux tilt condition.

NAME: T. L. Rawson PHONE: 357-3184

GPO 881-667

CAUSE DESCRIPTION (CONTINUED)

J-13 restored. Loose connector pins have been an infrequent problem. All connectors are examined upon remating following refuelings.